

Please amend the application as follows:

IN THE CLAIMS:

Please amend claims 1 and 2 as follows:

1. (Amended) A wavelength reference apparatus for use in calibrating a device comprising a tunable Fabry-Perot filter or a tunable VCSEL, the wavelength reference apparatus being configured to tune the device to a precise, known wavelength, the wavelength reference apparatus comprising:

an LED, the LED having an emission profile which varies with wavelength;

an etalon, where the etalon is chosen so as to have a transmission profile which comprises a comb of transmission peaks, with each transmission peak occurring at a precise, known wavelength;

a detector for detecting the light emitted by said LED and passing through said etalon; and

the device being positioned between said etalon and said detector, and the device being swept through its tuning range by varying the tuning voltage applied to the device, the known

transmission wavelengths established by said LED and said etalon are correlated to counterpart tuning voltages of the device so as to calibrate the device.

2. A method for calibrating a device comprising a tunable Fabry-Perot filter or a tunable VCSEL, the wavelength reference apparatus being configured to tune the device to a precise, known wavelength, the method comprising the steps of:

(1) energizing an LED so as to produce an emission of light, the LED having an emission profile which varies with wavelength;

(2) passing the light output by the LED through an etalon so as to generate a comb of known transmission peaks, with each transmission peak occurring at a precise, known wavelength;

(3) passing light from the etalon to the device; and

(4) sweeping the device through its tuning range by varying the tuning voltage applied to the device so as to correlate the known wavelength of each transmission peak and the tuning voltage associated with that wavelength so as to calibrate the device.